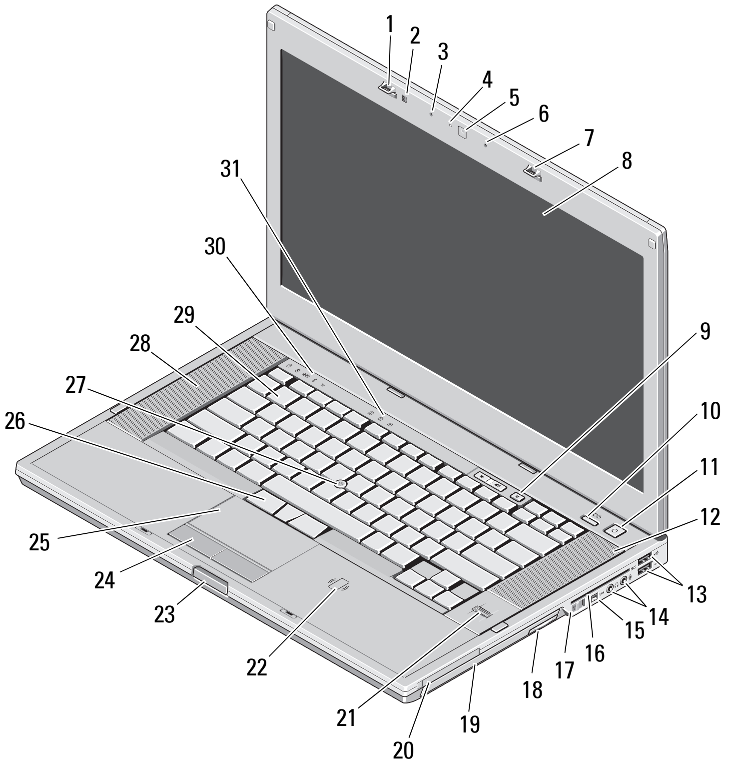
Dell™ Latitude™ E6510

Setup and Features Information

About Warnings

⚠ **WARNING: A WARNING indicates a potential for property damage, personal injury, or death.**

Front View



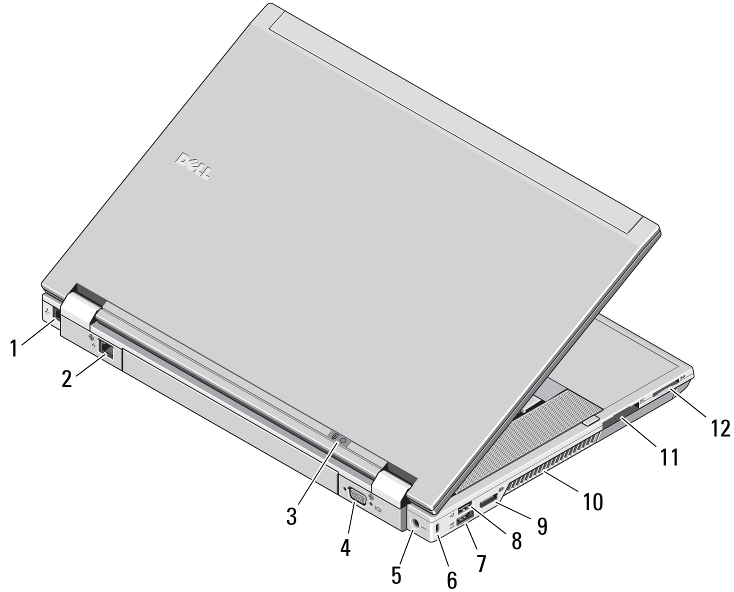
1	display latch	**2**	ambient light sensor
3	microphone	**4**	camera LED (optional)
5	camera (optional)	**6**	microphone
7	display latch	**8**	display
9	volume control buttons	**10**	Latitude ON™ button
11	power button	**12**	right speaker
13	USB 2.0 connectors (2)	**14**	audio connectors
15	IEEE 1394 connector	**16**	smart card slot
17	wireless switch	**18**	optical drive removal button
19	optical drive	**20**	PC card slot
21	fingerprint reader (optional)	**22**	contactless smart card reader (optional)
23	display latch release button	**24**	touchpad buttons
25	touchpad	**26**	trackstick buttons
27	trackstick	**28**	left speaker
29	keyboard	**30**	device status lights
31	keyboard status lights		

Regulatory Model: PP30LA **Regulatory Type: PP30LA001**

September 2010

0WXFVJA01

Back View



1 modem connector (optional)
2 network connector
3 power and battery status status lights
4 video connector (VGA)
5 AC adapter connector
6 security cable slot
7 eSATA/USB 2.0 connector
8 USB 2.0 connector
9 multimode DisplayPort connector
10 cooling vent
11 ExpressCard slot
12 Secure Digital (SD) and MMC card slot

WARNING: Do not block, push objects into, or allow dust to accumulate in the air vents. Do not store your Dell computer in a low-airflow environment, such as a closed briefcase, while it is running. Restricting the airflow can damage the computer or cause a fire. The computer turns on the fan when the computer gets hot. Fan noise is normal and does not indicate a problem with the fan or the computer.

Quick Setup

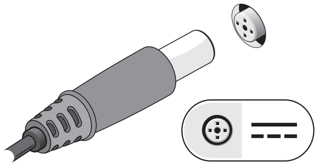
WARNING: Before you begin any of the procedures in this section, read the safety information that shipped with your computer. For additional best practices information, see www.dell.com/regulatory_compliance.

WARNING: The AC adapter works with electrical outlets worldwide. However, power connectors and power strips vary among countries. Using an incompatible cable or improperly connecting the cable to the power strip or electrical outlet may cause fire or equipment damage.

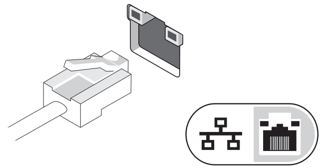
CAUTION: When you disconnect the AC adapter cable from the computer, grasp the connector, not the cable itself, and pull firmly but gently to avoid damaging the cable. When you wrap the AC adapter cable, ensure that you follow the angle of the connector on the AC adapter to avoid damaging the cable.

NOTE: Some devices may not be included if you did not order them.

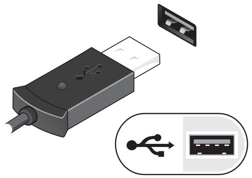
1 Connect the AC adapter to the AC adapter connector on the portable computer and to the electrical outlet.



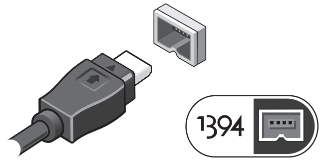
2 Connect the network cable (optional).



3 Connect USB devices, such as a mouse or a keyboard (optional).



4 Connect IEEE 1394 devices, such as a DVD player (optional).



5 Open the computer display and press the power button to turn on the computer.



NOTE: It is recommended that you turn on and shut down your computer at least once before you install any cards or connect the computer to a docking device or other external device, such as a printer.

Specifications

NOTE: Offerings may vary by region. For more information regarding the configuration of your computer, click **Start→ Help and Support** and select the option to view information about your computer.

System Information	
Processor type	Intel® Core™ i5 Intel Core i7
Chipset	Mobile Intel 5 series chipset (QM57)

Video	
Video type	UMA (integrated on system board) Discrete
Data bus:	
UMA	integrated video
Discrete	PCI-E x16 Gen1 PCI-E x16 Gen2
Video controller:	
UMA	Intel graphics
Discrete	NVIDIA Quadro NVS 3100M

Memory	
Type	DDR3, 1333 MHz
Memory module connector	two SODIMM slots
Memory module capatcity	1 GB, 2 GB, or 4 GB
Minimum memory	1 GB
Maximum memory	8 GB

Contactless Smart Card	
Supported Smart Cards and Technologies	ISO14443 A — 106 kbps, 212 kbps, 424 kbps, and 848 kbps ISO14443 B — 106 kbps, 212 kbps, 424 kbps, and 848 kbps ISO15693 HID iClass FIPS201 NXP Desfire

Battery	
Type	4-cell "smart" lithium ion (37 WHr) 6-cell "smart" lithium ion (60 WHr) 3-year life-time 9-cell "smart" lithium ion (81 WHr) 9-cell "smart" lithium ion (90 WHr) 12-cell "smart" lithium ion (88 WHr)

Battery ***(continued)***	
Dimensions:	
4-cell / 6-cell	
Depth	206.00 mm (8.11 inches)
Height	19.81 mm (0.78 inch)
Width	47.00 mm (1.85 inches)
9-cell	
Depth	208.00 mm (8.19 inches)
Height	22.30 mm (0.88 inch)
Width	69.00 mm (2.72 inches)
12-cell	
Depth	14.48 mm (0.57 inch)
Height	217.17 mm (8.55 inches)
Width	322.07 mm (12.68 inches)
Weight	
4-cell	237.00 g (0.52 lb)
6-cell	329.00 g (0.73 lb)
9-cell	485.00 g (1.07 lb)
12-cell	848.22 g (1.87 lb)
Voltage	11.10 V

Battery ***(continued)***	
Temperature range	
Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	–40 °C to 60 °C (–40 °F to 140 °F)
Coin-cell battery	3 V CR2032 lithium coin cell

AC Adapter	
Input voltage	100 V–240 V~
Input current (maximum)	1.50 A / 2.50 A
Input frequency	50 Hz–60 Hz
Output power	90 W
Output current	
90 W	4.34 A (maximum at 4-second pulse) 3.34 A (continuous)
Rated output voltage	19.50 VDC
Dimensions	
Depth	16.00 mm (0.63 inch)
Height	70.10 mm (2.76 inches)
Width	147.00 mm (5.79 inches)
Temperature range	
Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	–40 °C to 65 °C (–40 °F to 149 °F)

Physical	
Height	28.60 mm to 33.30 mm (1.13 inches to 1.31 inches)
Width	374.30 mm (14.73 inches)
Depth	253.30 mm (9.97 inches)
Weight (minimum)	minimum 2.51 kg (5.53 lb)

Docking Connector	
E-Family dock	144-pin docking connector

Environmental	
Temperature range:	
Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	–40 °C to 65 °C (–40 °F to 149 °F)
Relative humidity (maximum):	
Operating	10% to 90% (noncondensing)
Storage	5% to 95% (noncondensing)
Altitude (maximum):	
Operating	–15.20 m to 3048 m (–50 ft to 10,000 ft)
Storage	–15.20 m to 10,668 m (–50 ft to 35,000 ft)

Finding More Information and Resources

See the safety and regulatory documents that shipped with your computer and the regulatory compliance website at **www.dell.com/regulatory_compliance** for more information on:

- Safety best practices
- Warranty
- Terms and Conditions
- Regulatory certification
- Ergonomics
- End User License Agreement

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